

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-068770

(43)Date of publication of application : 09.03.1999

(51)Int.Cl.

H04L 12/28

H04Q 3/00

(21)Application number : 09-227193

(71)Applicant : NEC CORP

(22)Date of filing : 08.08.1997

(72)Inventor : FUKANO MASATERU

(54) SCHEDULING SYSTEM FOR ATM SWITCH

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a scheduling system for an asynchronous transfer mode ATM switch in which deterioration in a delay characteristic of traffic is reduced, where real time performance is a requirement.

SOLUTION: Low or high priority is set to each traffic class and high priority is placed on a traffic class where a real time performance is a requirement and an output cell selection section 5 decides a queue whose output is allowed by the rotation priority system among queues 31-3n in the case that a class whose priority is placed high among classes where product between counts of weight counters 41-4n of each class and queue length of the queues 31-3n are not zero. In the case that a class whose priority is placed high is not in existence, scheduling control in an ATM switch is realized by deciding a queue whose output is allowed by the rotation priority system among the classes whose priority is placed low.

